

**Fig. 1A**

with 100% of the total number of nodes in the network, the network is not a mesh network.

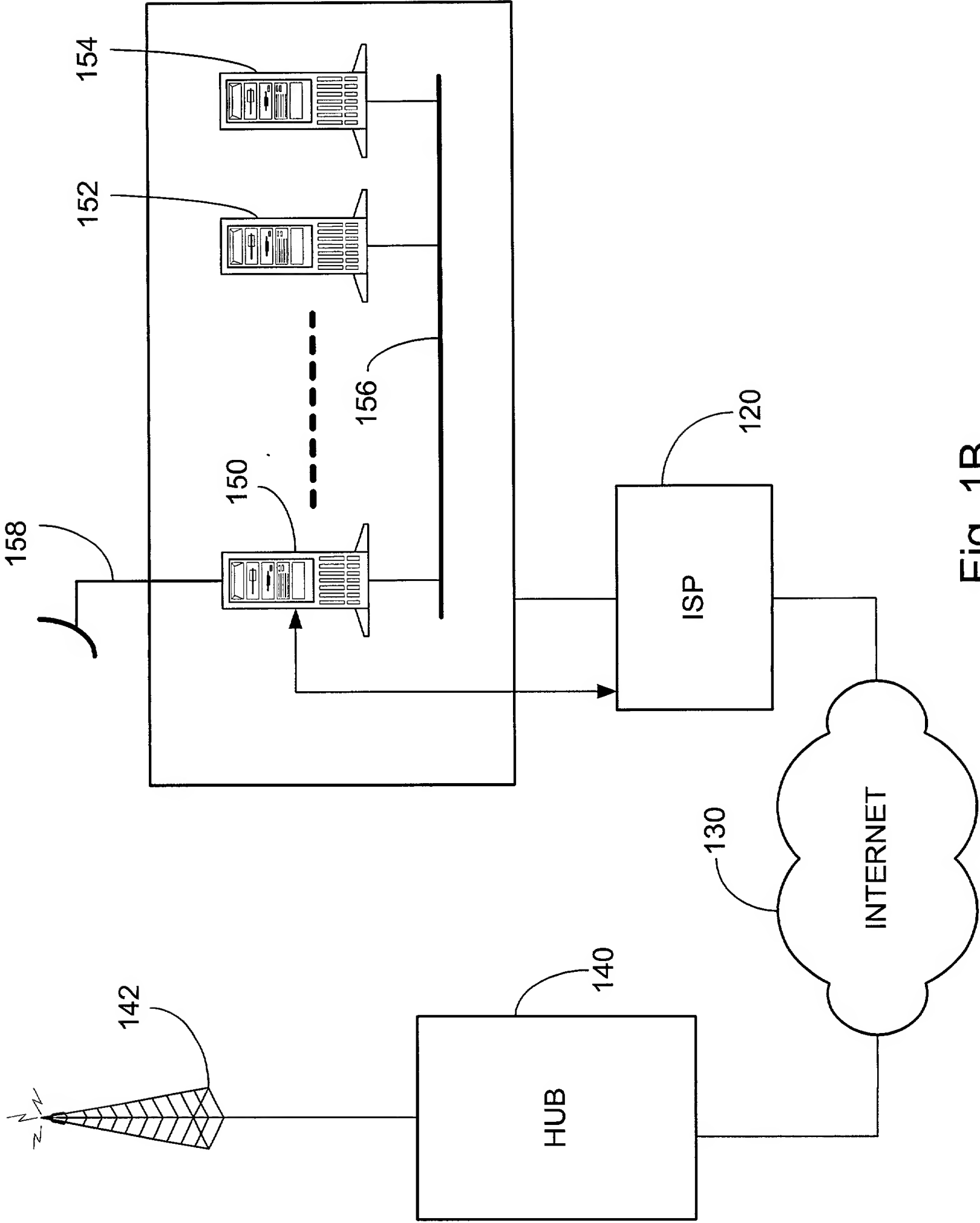


Fig. 1B

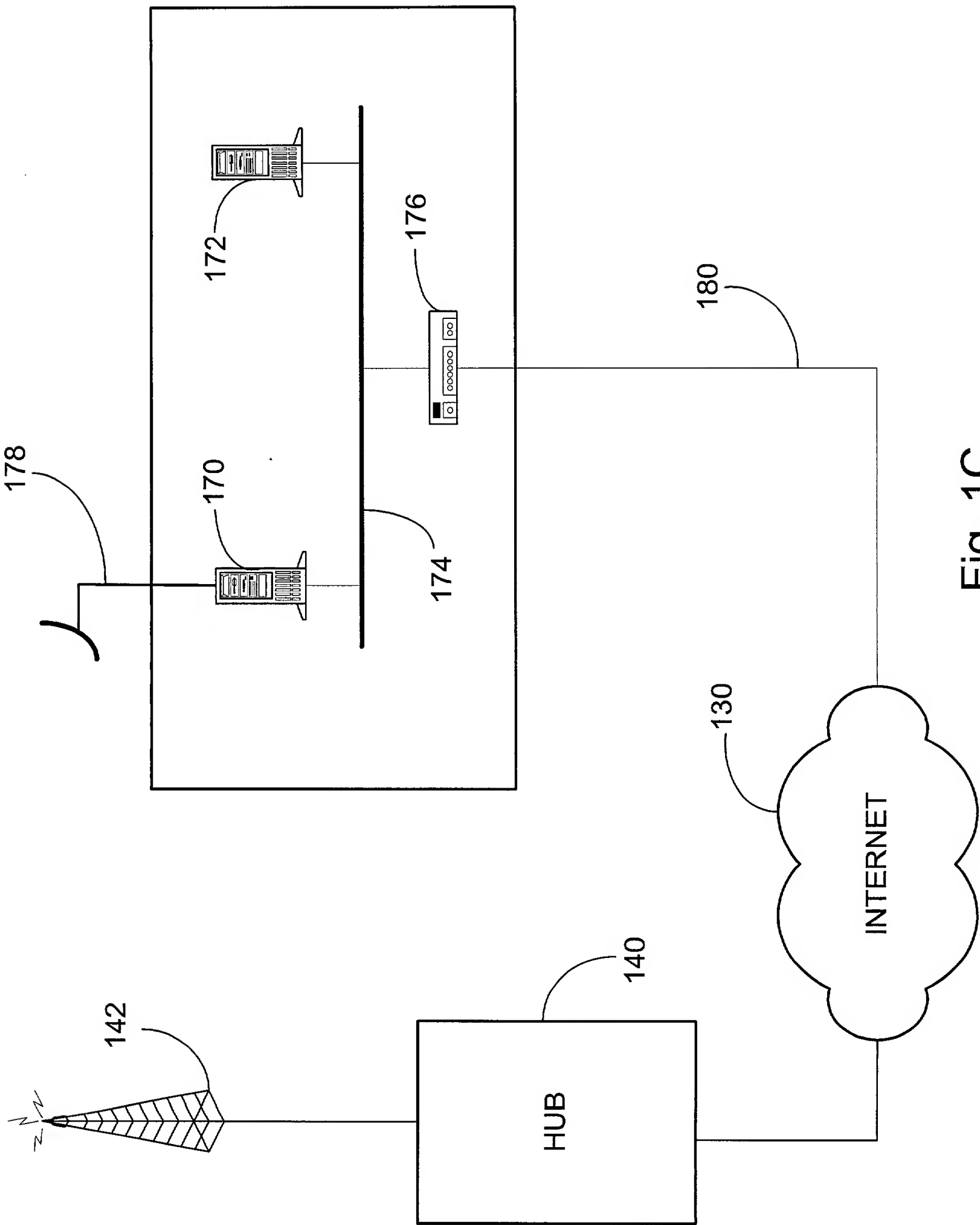


Fig. 1C

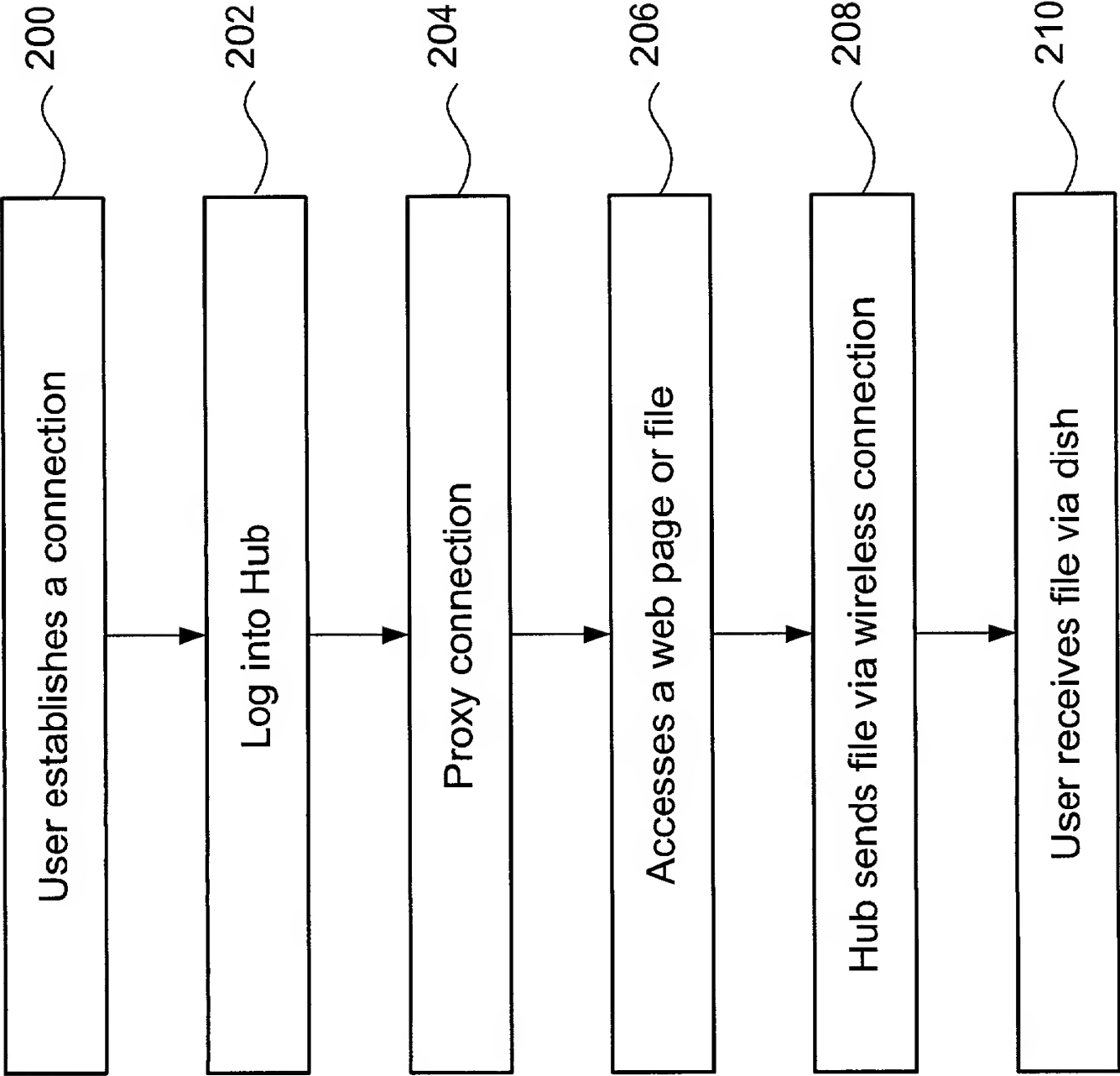


Fig. 2

FIG. 3 is a block diagram of a computer system 300. The system 300 includes a CPU 302, a RAM 306, a ROM 308, a BUS SYSTEM 310, an INPUT INTERFACE 314, INPUT HARDWARE 312, an OUTPUT INTERFACE 318, OUTPUT HARDWARE 316, STORAGE/INPUT EXTERNAL MEMORY 320, a WIRELESS INTERFACE 322, and a LAN INTERFACE 324. The CPU 302 is connected to the BUS SYSTEM 310. The RAM 306 and ROM 308 are also connected to the BUS SYSTEM 310. The INPUT INTERFACE 314 and INPUT HARDWARE 312 are connected to the BUS SYSTEM 310. The OUTPUT INTERFACE 318 and OUTPUT HARDWARE 316 are connected to the BUS SYSTEM 310. The STORAGE/INPUT EXTERNAL MEMORY 320 is connected to the BUS SYSTEM 310. The WIRELESS INTERFACE 322 and LAN INTERFACE 324 are connected to the BUS SYSTEM 310.

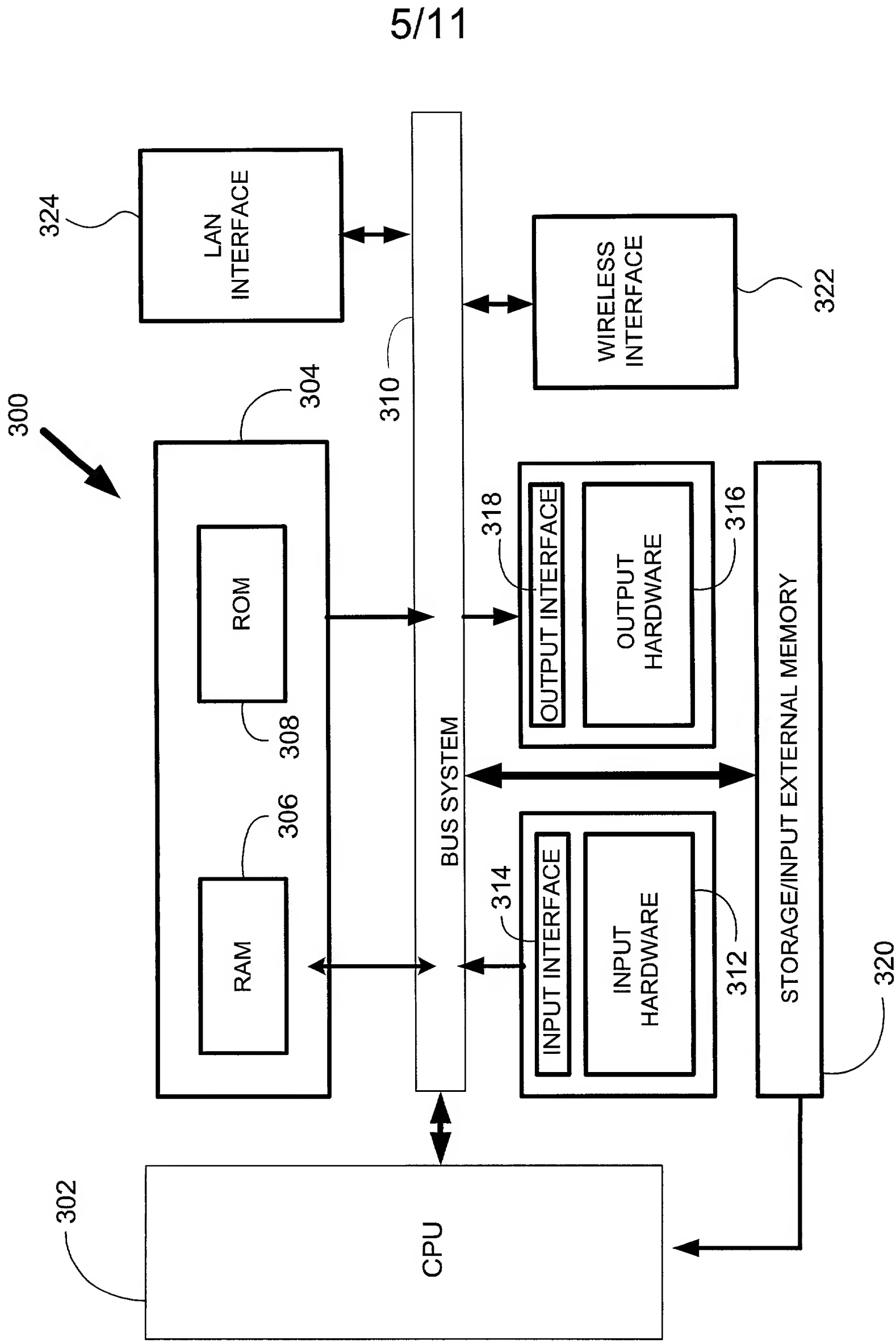


Fig. 3

noting that the user may not be able to connect to the server if the user's IP address is not in the list of allowed IP addresses.

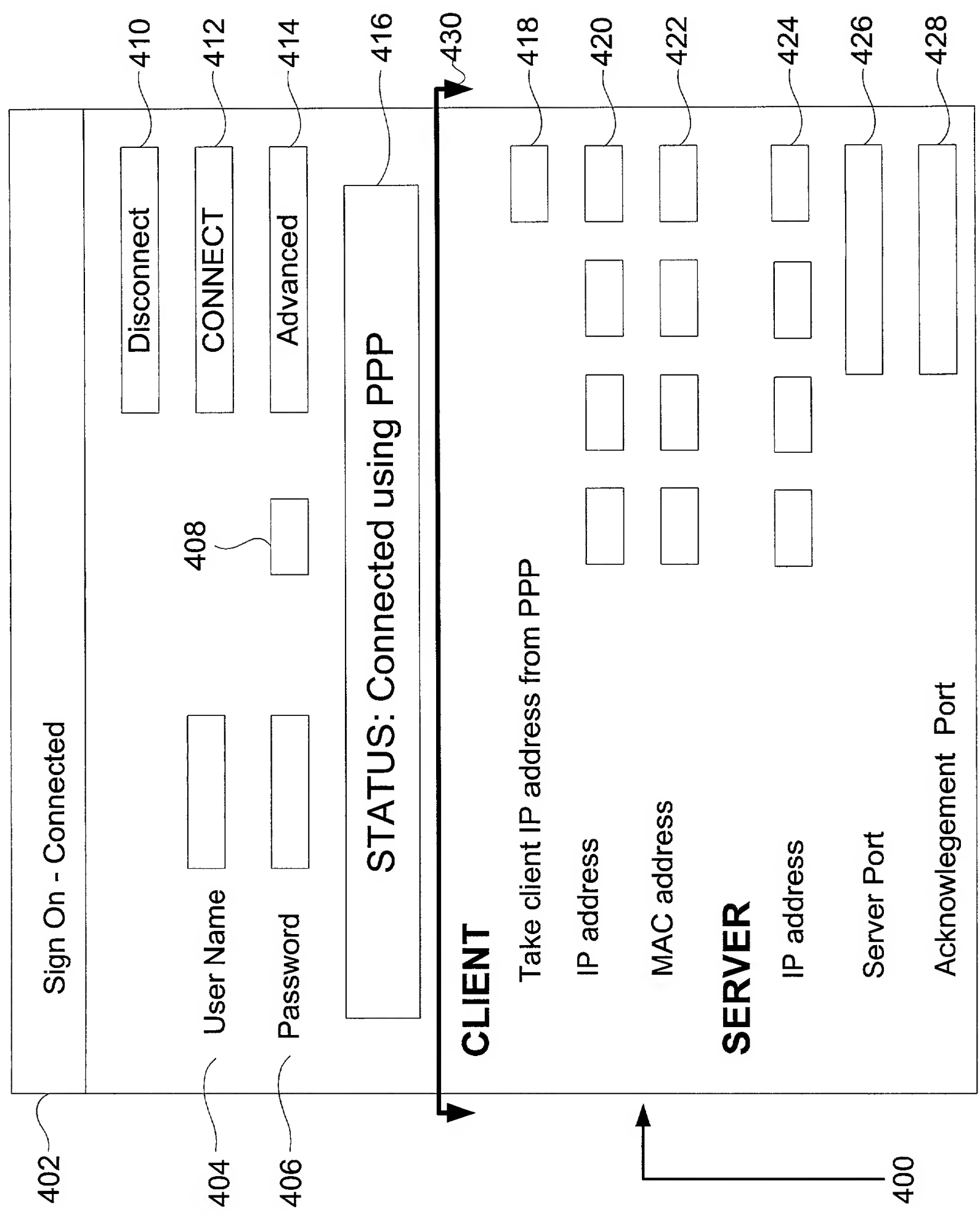


Fig. 4

FIG. 5 is a block diagram of a system 500. The system 500 includes a Router 504, a 100 BaseT Switch 506, a Transmitter 515, a Modulator 518, a Gateway 512, a Log-in Server or CCU 522, Proxy Server 1 510, and Proxy Server 2 516. The Router 504 is connected to the 100 BaseT Switch 506. The 100 BaseT Switch 506 is connected to the Transmitter 515. The Transmitter 515 is connected to the Modulator 518. The Modulator 518 is connected to the Gateway 512. The Gateway 512 is connected to the Log-in Server or CCU 522. The Log-in Server or CCU 522 is connected to Proxy Server 1 510. Proxy Server 1 510 is connected to Proxy Server 2 516. The Router 504 is also connected to the Internet 502. The system 500 is labeled 500.

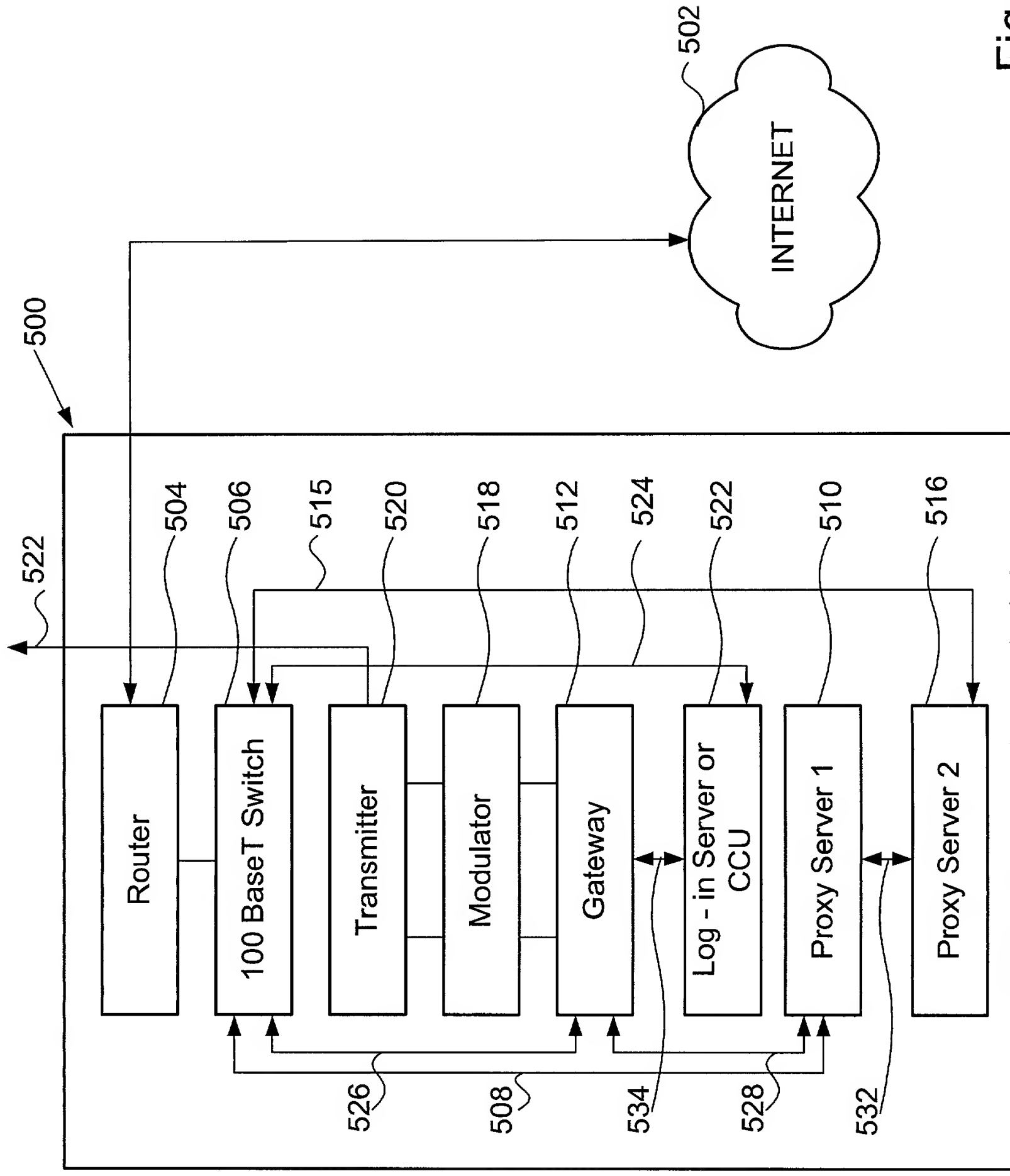


Fig. 5

unlabeled text at the top of the page, possibly a header or page number.

602

Sign On - Connected

604

User Name

606

Password

616

Confirm

620

Permanent User

622

IP Address

614

Mac Address

608

Mode:

608

MPE

610

Legacy DVB

614

PID

618

Mask

614

Ox

Fig. 6



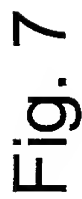




Fig. 8

